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10/510,691	10/08/2004	Bruce S Hall	T3572-908375US01	4047
181 MILES & STO	7590 06/29/2007 OCKBRIDGE PC		EXAM	INER .
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SUITE 500 MCLEAN, VA	22102-3833		ART UNIT	PAPER NUMBER
•			3637	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/510,691	BRUCE S. HALL	BRUCE S. HALL			
Office Action Summary	Examiner	Art Unit				
	Phi D. A	3637				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet w	ith the correspondence addre	ss			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNI 36(a). In no event, however, may a will apply and will expire SIX (6) MON cause the application to become Al	CATION. reply be timely filed ITHS from the mailing date of this commission (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on 27 Ap	oril 2007.					
,—	action is non-final.					
3) Since this application is in condition for allowar						
closed in accordance with the practice under E	x parte Quayle, 1935 C.E). 11, 453 O.G. 213.				
Disposition of Claims						
4) ☑ Claim(s) <u>1-17,19-35,37-41 and 52-57</u> is/are pe 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☑ Claim(s) <u>1-17,19-35,37-41 and 52-57</u> is/are rej 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to drawing(s) be held in abeyation is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in A rity documents have beer u (PCT Rule 17.2(a)).	application No received in this National Sta	age			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5/24/07;6/14/07.	Paper No	Summary (PTO-413) s)/Mail Date nformal Patent Application 				

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 4/27/07 has been entered.

Amended claim 35 has not been labeled properly as "currently amended". The claim, however, is treated as an amended claim to expedite prosecution. Applicant is reminded of the proper status identifier of claims when responding to an official action.

1. PRODUCT BY PROCESS CLAIM:

"The subject matter present is regarded as a product by process claim in which a product is introduced by the method in which it is made. It is the general practice of this office to examine the final product described regardless of the method provided by the applicant."

The above office policy applies to the limitation "cured" of claim 14.

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the first paragraph of 35 U.S.C. 112:
 - The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
- 2. Claim 37 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which

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it is most nearly connected, to make and/or use the invention. The invention allows for the panel to resist shrapnel, not a panel containing shrapnel. Also, applicant's remark does not help in clearing up the claim because the language "panel contains shrapnel between the elastomeric panel and the surface of the structure" appears to claim the panel contains shrapnel. The panel is the elastomeric panel. It is thus also unclear how the shrapnel can be both in the panel and outside of the panel to be between the panel and the structure.

The claim is examined as best understood.

1. PRODUCT BY PROCESS CLAIM:

"The subject matter present is regarded as a product by process claim in which a product is introduced by the method in which it is made. It is the general practice of this office to examine the final product described regardless of the method provided by the applicant."

The above office policy applies to the limitations of "cured", "sprayed" of claims 14, 27, 30-31, 38, and 52-53.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-2, 6-7, 12, 14-15, 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Diamond (6898907, previously 2002/0184841) in view of Diamond (6289642).

Diamond (...907, figure 14) shows a method of providing a blast resistance of a structure comprising spraying a layer of elastomer material (920A or 920B only, not both layers 920B and

920A) to form a blast resistant panel of a predetermine thickness in the range of about 100 mil to about 250 mil (the range is disclosed by the reference's range of (.5-12) inch thick in paragraph 53 for the material divided by half as the thickness is to layer 920A or 920B only, not both layers), once cured, securing the panel to a surface of the structure (40), the elastomer material being polyurethane (paragraph 51), the panel is flexible, the spraying said layer of elastomeric material comprising spraying (nozzle 38) the layer directly onto a molding surface, fastener elements (247, 250, 865, 1372) for securing the cured layer to a surface of a structure, the panel having a thickness of about 180mil (within the disclosed range of (0.5-12inch)/2).

Diamond (...907) does not show the blast resistant panel extending from at least two opposing edges of the surface of the structure.

Diamond (907) further discloses that the panel (816) can be cut to fit various shapes and sizes of windows.

Diamond (...642) figure (3) shows a panel (18) extending from at least tow opposing edges of the surface of the structure (14).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Diamond (...907)'s panel to show the blast resistant panel extending from at least two opposing edges of the surface of the structure because it enables the protection of the window pane beyond the edges of frame member (16) and thus prevents any debris from getting at the glass pane through the edge of the frame (16) as taught by Diamond (...642).

3. Claims 3, 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Diamond (6898907, previously 2002/0184841) in view of Diamond (6289642) as applied to claim 1 above and further in view of Fyfe (6806212).

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Diamond as modified shows all the claimed limitations except for the elastomeric material being a polyurea material.

Fyfe discloses polyurea for forming a coating for reinforcing structure (col 3 lines 25-48).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Diamond's modified structure to show the elastomeric material being a polyurea material because polyurea would provide a good coating for reinforcing structures as taught by Fyfe.

Diamond as modified shows all the claimed limitations. The claimed method steps of improving blast resistant to a structure would have been the obvious method steps of protecting a structure with Diamond's modified structure.

4. Claims 4-5, 9-10, 20-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Diamond (6898907, previously 2002/0184841) in view of Diamond (6289642) as applied to claim 1 above and further in view of Fyfe (6806212).

Diamond as modified shows all the claimed limitations except for the elastomeric material having a percent elongation at break in a range of about 100-800% and having a tensile strength greater than 2000psi, the range being of about 400-800%.

Fyfe further discloses preferred sprayed polyurethane for having a percent elongation at break in a range of about 600-700%, and the tensile strength of about 4000psi.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Diamond's modified structure to show the elastomeric material being having a percent elongation at break in a range of about 100-800% and having a tensile strength greater

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than 2000psi, the range being of about 400-800% because it would allow for good curing time and no release of volatile organic solvents mix as taught by Fyfe.

Diamond as modified shows all the claimed limitations. The claimed method steps of improving blast resistant to a structure would have been the obvious method steps of protecting a structure with Diamond's modified structure.

5. Claims 11, 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Diamond (6898907, previously 2002/0184841) in view of Diamond (6289642) as applied to claim 1 or 6 above and further in view of Makami et al (4478895).

Diamond as modified shows all the claimed limitations except for the step of spraying the layer of elastomeric material comprising spraying the material onto a fabric reinforcement layer, the step of spraying the material onto a reinforcement layer positioned on a molding surface.

Makami et al discloses the step of spraying layers of elastomers on a fabric reinforcement layer (1).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Diamond's modified structure to show the step of spraying the layer of elastomeric material comprising spraying the material onto a fabric reinforcement layer, the step of spraying the material onto a reinforcement layer positioned on a molding surface because having a fabric layer within layers of elastomer would impart strength dimensional stability to the structure as taught by Makami et al (col 2 line 34).

Diamond as modified shows all the claimed limitations. The claimed method steps of improving blast resistant to a structure would have been the obvious method steps of protecting a structure with Diamond's modified structure.

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6. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Diamond (6898907, previously 2002/0184841) in view of Diamond (6289642) as applied to claim 14 above and further in view of Fyfe (6806212).

Diamond as modified shows all the claimed limitations except for the elastomeric material being a polyurea material.

Fyfe discloses polyurea for forming a coating for reinforcing structure (col 3 lines 25-48).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Diamond's modified structure to show the elastomeric material being a polyurea material because polyurea would provide a good coating for reinforcing structures as taught by Fyfe.

7. Claim 23 is rejected under 35 U.S.C. 103(a) as being unpatentable over Diamond (6898907, previously 2002/0184841) in view of Diamond (6289642) as applied to claim 14 above and further in view of Makami et al (4478895).

Diamond as modified shows all the claimed limitations except for the panel further comprising a fabric reinforcing layer.

Makami et al discloses the using fabric(1) to reinforce layers of elastomers.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Diamond's modified structure to show the panel further comprising a fabric reinforcing layer because having a fabric layer within layers of elastomer would impart strength dimensional stability to the structure as taught by Makami et al (col 2 line 34).

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8. Claim 24 is rejected under 35 U.S.C. 103(a) as being unpatentable over Diamond (6898907, previously 2002/0184841), Diamond (6289642) and Fyfe (6806212) as applied to claim 16 above and further in view of Makami et al (4478895).

Diamond as modified shows all the claimed limitations except for the panel further comprising a fabric reinforcing layer.

Makami et al discloses the using fabric(1) to reinforce layers of elastomers.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Diamond's modified structure to show the panel further comprising a fabric reinforcing layer because having a fabric layer within layers of elastomer would impart strength dimensional stability to the structure as taught by Makami et al (col 2 line 34).

9. Claims 25-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Diamond (6898907, previously 2002/0184841), Diamond (6289642), Fyfe (6806212) and Makami et al as applied to claim 24 above and further in view of Benedict et al (5681612).

Diamond as modified shows all the claimed limitations except for the fabric reinforcing layer being of aramid fibers or polyester fibers.

Benedict et al discloses fabric reinforcing layer being of aramid fibers or polyester fibers.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Diamond's modified structure to show the fabric reinforcing layer being of aramid fibers or polyester fibers because these fabric are readily available and provides good strength for the composite structure as taught by Benedict et al.

10. Claims 14, 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Santos (5347775) in view of Diamond (6898907).

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Santos shows a blast resistant panel comprising a panel (40) having a predetermined thickness, fastener elements (56, 56') for securing the panel to a surface of a structure (the wall) so that the panel extends from at least two opposing edges of the surface of the structure, a channel member (20) secured to the panel around at least a portion of the peripheral thereof.

Santos does not show the panel being made of elastomeric material having a thickness in the range of about 100mil to about 250 mil.

Diamond shows a panel (920A or 920B only) being made of elastomeric material having a thickness in the range of about 100mil to about 250 mil ((.5-12 inch)/2).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Santos' structure to show the panel being made of elastomeric material having a thickness in the range of about 100mil to about 250 mil as taught by Diamond because the thickness and material would enable the panel to withstand and protect a window structure against stormy weather.

11. Claims 27-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haas (6269597) in view of Madden Jr (5811719) and Diamond (6898907).

Haas shows a system comprising a panel (13) constructed of a fiberglass loaded plastic, the panel having a steel channel (6) fastened around a peripheral thereof, a plurality of fasteners adapted to fasten the channel and the panel to a wall of a structure, a pair of opposing sides depending from the opposite ends of a bottom portion to form a substantially U-shaped channel, a U-shaped steel channel along a top portion, a bottom portion, a firs side portion of the periphery (figure 1), the panel being cured (inherently so as it is of plastic), the channel is fastened to an interior surface of the structure (inherently so as no structure is claimed and no

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relationship between the structure and the system is claimed with respect to position), the panel containing shrapnel between the panel and the surface of the structure,

Haas does not show the plastic being a flexible blast resistant elastomeric material having a predetermined thickness in a range between about 100 mil and 250 mil, the fiber being a fabric reinforcing layer.

Diamond shows a flexible panel having a thickness in the range of (.5-12 inch)/2 (including the range of 100 mil to 250mil) to protect the structure against storm.

Madden Jr. discloses a protective shield having layers of fibrous material held together by flexible resins (col 6 lines 2-3).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Haas's structure to show the plastic being an elastomeric material, the fiber being a fabric reinforcing layer, the material having a predetermined thickness in a range between about 100 mil and 250 mil because having elastomeric material surrounding fiber layers to form a protective device would enable the device to withstand tremendous impact forces as taught by Madden Jr, and having the thickness of the panel in the range of 100-250 mil as taught by Diamond would provide proper protection for the structure against stormy weather.

12. Claim 29 is rejected under 35 U.S.C. 103(a) as being unpatentable over Haas (6269597) in view of Madden Jr (5811719) and Diamond (6898907) as applied to claim 27 above and further in view of White (6907811)

Haas as modified shows all the claimed limitations except for a Z-shaped steel channel along a second side portion of the periphery opposite the first side portion and between the top

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and bottom side portion, the Z-shaped steel channel to be fastened to a first and second of the one or more panels.

White (figure 5) discloses a Z-shaped channel along a second side portion of the periphery opposite the first side portion and between the top and bottom side portion, the Z-shaped steel channel to be fastened to a first and second of the one or more panels.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Haas's structure to show a Z-shaped steel channel along a second side portion of the periphery opposite the first side portion and between the top and bottom side portion, the Z-shaped steel channel to be fastened to a first and second of the one or more panels because it would allow for the supporting of multiple panels to span and cover a large area as taught by White.

13. Claim 30 is rejected under 35 U.S.C. 103(a) as being unpatentable over Haas (6269597) in view of Diamond (6898907).

Haas shows a system comprising a panel (13) constructed of a fiberglass loaded plastic, the panel having a steel channel (6) fastened around a peripheral thereof, a plurality of fasteners adapted to fasten the channel and the panel to a wall of a structure, the panel sized to extend across and cover an area between opposing sides of the surface of the structure (the limitation does not limit the covering only to the area therebetween), the channel is adapted to fasten to an interior surface of the structure (inherently capable of doing so).

Haas does not show the plastic being a flexible blast resistant elastomeric material.

Diamond shows a flexible blast resistant elastomer panel to protect the structure against storm.

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It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Haas's structure to show the plastic being a flexible blast resistant elastomeric material because it would provide proper protection for the structure against stormy weather as taught by Diamond.

14. Claims 31-35, 37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haas (6269597) in view of Diamond (6898907) as applied to claim 30 above, and further in view of Madden Jr (5811719).

Haas as modified shows all the claimed limitations except for the panel comprising a fabric reinforcing layer.

Madden Jr. discloses a protective shield having layers of fibrous material held together by flexible resins (col 6 lines 2-3).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Haas's modified structure to show the panel having a fabric reinforcing layer because having elastomeric material surrounding fiber layers to form a protective device would enable the device to withstand tremendous impact forces as taught by Madden Jr.

Per claims 32-34, Haas as modified shows the fabric layer being embedded in the elastomeric material, the fabric being of aramid fiber and the fiber being open grid pattern (Madden col 5 line 66).

Per claim 37, Haas as modified shows shrapnel (a shell fragment → the material of the plastic and fiber inherently can be shell fragment as it is unclear yet what constitute applicant's shrapnel).

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15. Claim 38-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haas (6269597) in view of Diamond as applied to claim 30 above and further in view of Fyfe (6806212).

Haas as modified shows all the claimed limitations except for the elastomeric material having a percent elongation at break in a range of about 100-800% and having a tensile strength greater than 2000psi, the range being of about 400-800%.

Fyfe further discloses preferred sprayed polyurethane for having a percent elongation at break in a range of about 600-700%, and the tensile strength of about 4000psi.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Haas's modified structure to show the elastomeric material being having a percent elongation at break in a range of about 100-800% and having a tensile strength greater than 2000psi, the range being of about 400-800%. because it would allow for good curing time and no release of volatile organic solvents mix as taught by Fyfe.

Per claim 41, Haas as modified shows all the claimed limitations except for the elastomeric material being a polyurea material.

Fyfe further discloses polyurea for forming a coating for reinforcing structure (col 3 lines 25-48).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Haas's modified structure to show the elastomeric material being a polyurea material because polyurea would provide a good coating for reinforcing structures as taught by Fyfe.

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16. Claims 52, 55 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haas (6269597) in view of Madden Jr (5811719) and Fyfe (6806212).

Haas shows a system comprising a blast resistant panel (13, inherently so as the panel would resistant projectile going through) constructed of a fiberglass loaded plastic, the panel having a U-shaped steel channel (6) fastened around a peripheral thereof, a plurality of fasteners adapted to fasten the channel and the panel to a wall of a structure, a pair of opposing sides depending from the opposite ends of a bottom portion to form a substantially U-shaped channel, the panel being cured (inherently so as it is of plastic).

Haas does not show the plastic being an elastomeric material, the fiber being a fabric reinforcing layer, the panel having a thickness of about 100-250 mil, a percent elongation at break in a range of about 400-800% and a tensile strength of about 2000psi or greater, the fabric layer being substantially planar and including warp and fill yarns defining an open grid pattern with openings of up to about 0.5 inch by 025 inch and a tensile strength of about 1200psi by 1200psi.

Madden Jr. discloses a protective shield having layers of fibrous material held together by flexible resins (col 6 lines 2-3), the fiber layer being open grid pattern.

Fyfe discloses preferred sprayed polyurethane for having a percent elongation at break in a range of about 600-700%, and the tensile strength of about 4000psi.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Haas's structure to show the plastic being an elastomeric material, the fiber being a fabric reinforcing layer, the panel having a thickness of about 100-250 mil, a percent elongation at break in a range of about 400-800% and a tensile strength of about 2000psi or

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greater, the fabric layer being substantially planar and including warp and fill yarns defining an open grid pattern with openings of up to about 0.5 inch by 025 inch and a tensile strength of about 1200psi by 1200psi because having elastomeric material surrounding fiber layers to form a protective device would enable the device to withstand tremendous impact forces as taught by Madden Jr., the panel having the percent elongation at break in a range of about 400-800% and a tensile strength of about 2000psi or greater would allow for good curing time and no release of volatile organic solvents mix as taught by Fyfe, panel having a thickness in the range of about 100-250mil would increase the protective strength of the cover, and having the fiber defining an open grid pattern with opening of up to about 0.5 inch by 0.25 inch would allow for easy adhesion and bonding of the elastomer to the fabric; and having a fiber with tension strength of 1200 would enable the formation of a strong reinforcing panel.

17. Claim 53 is rejected under 35 U.S.C. 103(a) as being unpatentable over Haas (6269597) in view of Madden Jr (5811719) and Fyfe (6806212) as applied to claim 52 above, and further in view of Young (4562666).

Haas as modified shows all the claimed limitations except for the fastener elements passing through the steel channel system and the periphery of the cured, blast resistant panel.

Young discloses fasteners (14) passing through both a channel system (17) and the periphery of a panel (10) to securely mount the panel and the channel system fixedly in place.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Haas's modified structure to show the fastener elements passing through the steel channel system and the periphery of the cured, blast resistant panel because it would enable the secure fastened in place of the channel system and the panel as taught by Young.

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18. Claim 54 is rejected under 35 U.S.C. 103(a) as being unpatentable over Haas (6269597) in view of Madden Jr (5811719) and Fyfe (6806212).

Haas as modified shows all the claimed limitations except for the elastomeric material being a polyurea material.

Fyfe further discloses polyurea for forming a coating for reinforcing structure (col 3 lines 25-48).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Haas's modified structure to show the elastomeric material being a polyurea material because polyurea would provide a good coating for reinforcing structures as taught by Fyfe.

19. Claim 56 is rejected under 35 U.S.C. 103(a) as being unpatentable over Carson et al in view of Sato et al (4730023).

Carson et al as modified shows all the claimed structural limitations. The claimed method steps of improving the blast resistant of a structure would have been the obvious method steps of improving blast resistant with Carson et al's modified structure.

20. Claim 57 is rejected under 35 U.S.C. 103(a) as being unpatentable over Carson et al in view of Sato et al (4730023).

Carson et al (figure 6) shows a system comprising a flexible, blast resistant panel (20) of an acrylic material having a predetermined thickness in the range of about 100-250mil (col 3 line 54), a channel 26) attached around a periphery of the panel, a plurality of fasteners (43) to fasten the channel to a wall of a structure (the wall of a vehicle), the panel sized to extend across and cover an area between opposing sides of the wall of the structure, the panel adapted to prevent

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shrapnel from entering the room after the wall is subjected to an explosion (inherently capable of functioning as claimed).

Carson et al does not show the panel being made of acrylic elastomer material.

Sato discloses the use of acrylic elastomers for forming transparent panel being well known in the art (col 2 lines 11-15).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Carson et al's structure to show the acrylic panel being made of acrylic elastomer because it enhances the weatherrability of the panel as taught by Sato et al.

Response to Arguments

The arguments of 4/27/07 has been considered but found to be non-persuasive.

Applicant states that examiner deconstructs the structure of Diamond ('907) when rejecting the claim, examiner respectfully sets forth that the structure is reasonably broadly interpreted to read on the claimed language. Examiner simply interprets the claims with the structures as disclosed, not modifying the structure as stated by applicant. The 103 rejection is for features not related to the dimensions shown by either layer 920B or 920A. the argument is thus moot.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art shows different protective panel designs.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phi D A whose telephone number is 571-272-6864. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lanna Mai can be reached on 571-272-6867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phi Dieu Tran A

6/24/07